

Prof. TLAY KESEMEN

Personal Information

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Address: KT, Fen Fakltesi, Matematik Blm

Education Information

Doctorate, Karadeniz Technical University, Fen Fakltesi, Matematik Blm, Turkey 2001 - 2006

Postgraduate, Karadeniz Technical University, Fen Fakltesi, Matematik Blm, Turkey 1998 - 2001

Undergraduate, Karadeniz Technical University, Fatih Eēitim Fakltesi, Matematik ēretmenliēi, Turkey 1994 - 1998

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Fen Bilimlerinde Arařtırma Projesi Hazırlama Eēitimi, KT, SEM, 2014

Dissertations

Doctorate, Rasgele Hacimli Geniřletilmiř (s,S) Tipli Modellerin Analitik ve Asimptotik Yntemlerle İncelenmesi, (Investigation of Extended Models of Type (s,S) with Random Volume by Analytic and Asymptotic Methods), Karadeniz Technical University, Fen Bilimleri Enstitsi, Matematik, 2006

Postgraduate, Geniřletilmiř (s,S) Tipli Modellerin Analitik ve Asimptotik Yntemlerle İncelenmesi, (Investigated the Extended Models of Type (s,S) by Analytic and Asymptotic Methods), Karadeniz Technical University, Fen Bilimleri Enstitsi, Matematik, 2001

Research Areas

Mathematics, Statistics, Probability Theory, Stochastic Processes, Natural Sciences

Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakltesi, Matematik, 2019 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakltesi, Matematik, 2014 - 2019

Assistant Professor, Karadeniz Technical University, Fen Fakltesi, Matematik, 2008 - 2014

Lecturer PhD, Karadeniz Technical University, Fen Fakltesi, Matematik, 2006 - 2008

Research Assistant, Karadeniz Technical University, Fen Fakltesi, Matematik, 2002 - 2006

Advising Theses

- KESEMEN T., Ders Aşaması, Doctorate, F. BAGHEZZA(Student), Continues
- KESEMEN T., Ders Aşaması, Doctorate, B.Alakoç(Student), Continues
- Kesemen T., RASTGELE KISMİ DİFERANSİYEL DENKLEMLER ve RASTGELE KESİRLİ MERTEBEDEN KISMİ DİFERANSİYEL DENKLEMLERİN ANALİZİ, Doctorate, H.Anaç(Student), 2020
- KESEMEN T., Talep Miktarlarının Ağır Kuyruklu Gamma-g Sınıfından Dağılıma Sahip (s,S) Tipli Envanter Modellerin Yaklaşık Yöntemlerle İncelenmesi, Postgraduate, B.Alakoç(Student), 2020
- KESEMEN T., Biyokimyasal Reaksiyon Modelinin Rastgele Özelliklerinin Farklı Olasılık Dağılımları ile İncelenmesi, Postgraduate, G.Karaaslan(Student), 2019
- KESEMEN T., Bazı Kompartmanlı Modellerin Rasgele Etkiler Altında İncelenmesi, Doctorate, Z.BEKİRYAZICI(Student), 2017
- KESEMEN T., Talep Miktarı Sonlu Varyanslı Ağır Kuyruklu Dağılıma Sahip (s,S) Tipli Envanter Modellerin Asimptotik Ve Yaklaşık Yöntemlerle İncelenmesi, Postgraduate, E.Şenol(Student), 2017
- KESEMEN T., (s,S) Tipli Envanter Modellerin Ağır Kuyruklu Dağılımların Belirli Alt Sınıfları ile İncelenmesi, Doctorate, A.BEKTAŞ(Student), 2017
- KESEMEN T., Dang Humması Hastalığının Rasgele Etkiler Altında Matematiksel Modellenmesi, Postgraduate, M. Mehmet(Student), 2016
- KESEMEN T., Genelleştirilmiş Beta Müdahaleli (s,S) Tipli Rasgele Yürüyüş Süreci, Postgraduate, Ç.ÖCAL(Student), 2013
- KESEMEN T., Geçikmeli ve Pareto Müdahaleli Ödüllü Yenileme Süreçlerinin Sınır Fonksiyonlarının İncelenmesi, Postgraduate, Ş.DEMİR(Student), 2013
- KESEMEN T., Pareto Müdahaleli yarı-Markov Süreçlerinin Asimptotik Yöntemlerle incelenmesi, Postgraduate, F.YETİM(Student), 2013
- KESEMEN T., Belirsizlik Altında Sürekli Dağılımlar, Postgraduate, S.TURHAN(Student), 2010

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Modification of the random differential transformation method and its applications to compartmental models**
Bekiryazici Z., MERDAN M., KESEMEN T.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, 2020 (Journal Indexed in SCI)
- II. **A semi-Markovian renewal reward process with Gamma(g) distributed demand**
Kamışlık A. B. , Alakoc B., KESEMEN T., Khaniyev T.
TURKISH JOURNAL OF MATHEMATICS, vol.44, no.4, pp.1250-1262, 2020 (Journal Indexed in SCI)
- III. **Inventory model of type (s, S) under heavy tailed demand with infinite variance**
Kamışlık A. B. , KESEMEN T., Khaniyev T.
BRAZILIAN JOURNAL OF PROBABILITY AND STATISTICS, vol.33, no.1, pp.39-56, 2019 (Journal Indexed in SCI)
- IV. **Deterministic stability and random behavior of a Hepatitis C model**
MERDAN M., Bekiryazici Z., KESEMEN T., Khanlyev T.
PLOS ONE, vol.12, no.7, 2017 (Journal Indexed in SCI)
- V. **Deterministic stability and random behavior of a Hepatitis C model**
Merdan M., Bekiryazıcı Z., KESEMEN T., Khaniyev T.
PLOS ONE, vol.12, no.7, pp.1-17, 2017 (Journal Indexed in SCI Expanded)
- VI. **Comparison of stochastic and random models for bacterial resistance**
MERDAN M., Bekiryazici Z., KESEMEN T., Khaniyev T.
ADVANCES IN DIFFERENCE EQUATIONS, 2017 (Journal Indexed in SCI)
- VII. **Three-term asymptotic expansion: A semi-Markovian random walk with a generalized beta distributed interference of chance**
Kesemen T., KÜÇÜK Z., Khaniyev T., Öcal C.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.46, no.3, pp.1445-1455, 2017 (Journal Indexed in SCI)

- VIII. **SOME ASYMPTOTIC RESULTS FOR A SEMI-MARKOVIAN RANDOM WALK WITH A SPECIAL BARRIER**
Aliyev R., KESEMEN T., Khaniyev T.
PAKISTAN JOURNAL OF STATISTICS, vol.30, no.3, pp.411-428, 2014 (Journal Indexed in SCI)
- IX. **ON THE SEMI-MARKOVIAN RANDOM WALK WITH DELAY AND WEIBULL DISTRIBUTED INTERFERENCE OF CHANCE**
Kesemen T.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.42, no.3, pp.299-307, 2013 (Journal Indexed in SCI)
- X. **Limit distribution for a semi-Markovian random walk with Weibull distributed interference of chance**
KESEMEN T., Aliyev R., Khaniyev T.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (Journal Indexed in SCI)
- XI. **Asymptotic Expansions for the Moments of the Semi-Markovian Random Walk with Gamma Distributed Interference of Chance**
Aliyev R., Khaniyev T., KESEMEN T.
COMMUNICATIONS IN STATISTICS-THEORY AND METHODS, vol.39, no.1, pp.130-143, 2010 (Journal Indexed in SCI)
- XII. **Asymptotic expansions for the moments of a semi-Markovian random walk with exponential distributed interference of chance**
Khaniyev T., KESEMEN T., Aliyev R., KOKANGÜL A.
STATISTICS & PROBABILITY LETTERS, vol.78, no.6, pp.785-793, 2008 (Journal Indexed in SCI)
- XIII. **The asymptotic results for the stationary characteristics of the semi-Markovian random walk with a barrier**
Khaniyev T., KESEMEN T., KESEMEN O., Aliyev R.
AUTOMATIC CONTROL AND COMPUTER SCIENCES, vol.1, pp.31-43, 2006 (Journal Indexed in SCI Expanded)
- XIV. **Certain asymptotic result for extended model of (s,S)**
Khaniyev T., ÜNVER İ., KESEMEN T.
Theory of Stochastic Processes, vol.1, pp.192-200, 2002 (Journal Indexed in SSCI)

Articles Published in Other Journals

- I. **Homotopy Perturbation Elzaki Transform Method for Obtaining the Approximate Solutions of the Random Partial Differential Equations**
Anaç H., Merdan M., Kesemen T.
Gazi University Journal of Science, vol.35, no.3, pp.1051-1060, 2022 (Journal Indexed in ESCI)
- II. **Analysis of The Dynamics of The Classical Epidemic Model with Beta Distributed Random Components**
Kesemen T., Merdan M., Bekiryazıcı Z.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.2020, pp.1956-1965, 2020 (National Refreed University Journal)
- III. **Solving for the random component time-fractional partial differential equations with the new Sumudu transform iterative method**
Kesemen T., Merdan M., Anaç H.
SN Applied Sciences, vol.1, no.1, pp.1-10, 2020 (Journal Indexed in ESCI)
- IV. **APPLICATION OF CRANK-NICOLSON METHOD TO A RANDOM COMPONENT HEAT EQUATION**
Anac H., MERDAN M., KESEMEN T.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.1, pp.475-480, 2020 (Journal Indexed in ESCI)
- V. **THE NEW SUMUDU TRANSFORM ITERATIVE METHOD FOR STUDYING THE RANDOM COMPONENT TIME-FRACTIONAL KLEIN-GORDON EQUATION**
MERDAN M., ANAÇ H., KESEMEN T.

Sigma J Eng & Nat Sci, vol.10, pp.343-354, 2019 (Journal Indexed in ESCI)

- VI. **Investigation of Random and Stochastic Models for CD8 T Cell Immune Response**
Merdan M., Bekiryazıcı Z., KESEMEN T., Anaç H.
Journal of Abstract and Computational Mathematics, vol.-, no.4, pp.37-48, 2019 (Refereed Journals of Other Institutions)
- VII. **Solving of Some Random Partial Differential Equations by Using Differential Transformation Method and Laplace- Padé Method**
Merdan M., Anaç H., Bekiryazıcı Z., KESEMEN T.
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.9, pp.108-118, 2019 (International Refereed University Journal)
- VIII. **THE NEW SUMUDU TRANSFORM ITERATIVE METHOD FOR STUDYING THE RANDOM COMPONENT TIME-FRACTIONAL KLEIN-GORDON EQUATION**
MERDAN M., Anac H., KESEMEN T.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.10, no.3, pp.343-354, 2019 (Journal Indexed in ESCI)
- IX. **Analyzing the Dynamics of Ebola Transmission with Random Effects**
Merdan M., Bekiryazıcı Z., KESEMEN T., Khaniyev T.
Communications in Mathematical Biology and Neuroscience, vol.2018, pp.1-17, 2018 (Journal Indexed in ESCI)
- X. **Üçgensel Müdahaleli Yarı-Markov (s,S) Tipli Modellerin Momentleri İçin Tahmin Ediciler**
ERİŞ BÜYÜKKAYA M., BEKTAŞ KAMIŞLIK A., KESEMEN T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.2, pp.430-441, 2018 (Refereed Journals of Other Institutions)
- XI. **On The Moments for Ergodic Distribution of an Inventory Model of Type (s; S) with Regularly Varying Demand Having Infinite Variance**
Bektaş Kamışlık A., KESEMEN T., Khaniyev T.
Journal of Applied and Engineering Mathematics, vol.8, pp.318-329, 2018 (Refereed Journals of Other Institutions)
- XII. **ANALYZING THE DYNAMICS OF EBOLA TRANSMISSION WITH RANDOM EFFECTS**
MERDAN M., Bekiryazıcı Z., KESEMEN T., Khaniyev T.
COMMUNICATIONS IN MATHEMATICAL BIOLOGY AND NEUROSCIENCE, 2018 (Journal Indexed in ESCI)
- XIII. **Stochastic and random models of Malaria Disease with vertical transmission**
Bekiryazıcı Z., KESEMEN T., Merdan M.
New Trends in Mathematical Sciences, vol.5, no.1, pp.269-277, 2017 (International Refereed University Journal)
- XIV. **Inventory Model of Type (s,S) With Subexponential Weibull Distributed Demand**
KESEMEN T., Bektaş Kamışlık A., KÜÇÜK Z., Şenol E.
Journal Of The Turkish Statistical Association, vol.--, no.9, pp.81-92, 2016 (Refereed Journals of Other Institutions)
- XV. **Mathematical Modeling of Biochemical Reactions Under Random Effects**
Bekiryazıcı Z., Merdan M., KESEMEN T., Khaniyev T.
Turkish Journal of Mathematics and Computer Science, vol.5, pp.8-18, 2016 (Refereed Journals of Other Institutions)
- XVI. **Mathematical Modeling of Dengue Disease under Random Effects**
Bekiryazıcı Z., Merdan M., KESEMEN T., Najmuldeen M.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, no.4, pp.0-70, 2016 (Refereed Journals of Other Institutions)
- XVII. **On The Application Of Random Walk With Delay And Pareto Distributed Interference Of Chance To An Insurance Model**
KESEMEN T., KÜÇÜK Z., Khaniyev T., YETİM F., Bektaş Kamışlık A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.3, pp.615-626, 2016 (Journal Indexed in ESCI)
- XVIII. **Asymptotic results for boundary functionals of renewal-reward process with delay and pareto distribution intreferece of chance**
KÜÇÜK Z., KESEMEN T., Demir Ş., Bektaş Kamışlık A.
Journal of Selçuk University Natural and Applied Science, vol.3, no.3, pp.1-12, 2014 (International Refereed

University Journal)

- XIX. **Aysmptotic results for boundary functionals of renewal-reward process with delay and pareto distribution interference of chance**
KESEMEN T., Küçük Z., Demir Ş., Kamışlık Bektaş A.
Journal of Selçuk University Natural and Applied Science, vol.3, no.3, pp.1-10, 2014 (Refereed Journals of Other Institutions)
- XX. **Pareto Distribution and Numerical Characteristics of This Distribution Under Uncertainty**
ERBAY DALKILIÇ T., KESEMEN T., TANK F.
Journal Of The Turkish Statistical Association, vol.6., pp.66-72, 2013 (Refereed Journals of Other Institutions)
- XXI. **Numerical Characteristics Of Pareto Distribution Under Uncertainty**
ERBAY DALKILIÇ T., Kesemen T., Tank F.
Journal Of The Turkish Statistical Association, vol.6, no.2, pp.66-72, 2013 (Refereed Journals of Other Institutions)
- XXII. **Pareto Müdahaleli yarı-Markov Süreçleri için Asimptotik Sonuçlar**
KESEMEN T., Aliyev R., ÜNVER İ.
7. İstatistik Günleri Sempozyumu Bildiriler Kitabı,28-30 Haziran, Ankara, vol.1, no.2, pp.95-100, 2010 (Other Refereed National Journals)
- XXIII. **Approximations for the stationary Characteristics of the extended model of (s,S) with Delay**
KHANİYEV T., Kesemen O., KESEMEN T.
Proceeding of the 6th International Symposium on Intelligent and Manufacturing Systems., vol.1, no.2, pp.356-366, 2008 (Refereed Journals of Other Institutions)
- XXIV. **5. İstatistik Kongresi, Bildiri Kitabı**
KESEMEN T., Aliyev R., KHANİYEV T.
Geçikmeli Yarı- Markov Rasgele Yürüyüş Süreçleri için Asimptotik Sonuçları, vol.3, no.2, pp.689-693, 2007 (Other Refereed National Journals)
- XXV. **Erlang Müdahaleli ve Geçikmeli Yarı- Markov Rasgele Yürüyüş Süreçleri için Asimptotik Sonuçları**
KESEMEN T., KHANİYEV T.
XX. Ulusal Matematik Sempozyumu Bildiriler Kitabı, vol.1, no.1, pp.281-285, 2007 (Other Refereed National Journals)
- XXVI. **Certain asymptotic results for the stationary characteristics of semimarkovian random walk with constraint**
KHANIEV T., KESEMEN T., KESEMEN O., ALIEV R.
Automatic Control and Computer Sciences, vol.40, no.1, pp.26-37, 2006 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **OLASILIK KURAMINDA ÇÖZÜMLÜ PROBLEMLER**
HANALIOĞLU T., ÜNVER İ., KÜÇÜK Z., KESEMEN T.
NOBEL YAYINEVİ, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **INVESTIGATION OF RANDOM ZIKA VIRUS TRANSMISSION WITH MODIFIED RANDOM DIFFERENTIAL TRANSFORMATION METHOD**
Bekiryazıcı Z., Kesemen T., Merdan M., Hanalioğlu T.
9TH INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 25 - 28 August 2020, pp.114-116
- II. **Intuitive Approximation for Renewal Reward Process with $\Gamma(g)$ Distributed Demand**
Alakoç B., Kesemen T., Bektaş Kamışlık A., Hanalioğlu T.
3 rd INTERNATIONAL E-CONFERENCE ON MATHEMATICAL ADVANCES AND ITS APPLICATIONS, İstanbul, Turkey,

24 - 27 June 2020, pp.42

- III. **Homotopy Perturbation Elzaki Transform Method to Random Component Partial Differential Equations**
Anaç H., Merdan M., Kesemen T.
3 rd INTERNATIONAL CONFERENCE on MATHEMATICAL ADVANCES and APPLICATIONS (ICOMAA2020), İstanbul, Turkey, 24 - 27 July 2020, pp.95
- IV. **Modelling Disease Transmission Scenarios Using Field Data and Heavy Tailed Random Effects: The Zika Case**
BEKİRYAZICI Z., KESEMEN T., MERDAN M., HANALIOĞLU T.
11th International Statistics Congress, 4 - 08 October 2019
- V. **Random Finite Difference Method for Some Partial Differential Equations**
MERDAN M., ANAÇ H., KESEMEN T.
International Conference on Computational Methods in Applied Sciences (IC2MAS19), 12 - 16 July 2019
- VI. **Projected differential transform method to some random component nonlinear partial differential equations with proportional delay**
MERDAN M., ANAÇ H., KESEMEN T.
International Conference on Mathematics and Mathematics Education (ICMME 2019), Konya, Turkey, 11 - 13 July 2019, pp.187-188
- VII. **Applications of Crank-Nicolson method to some random component partial differential equations**
ANAÇ H., MERDAN M., KESEMEN T.
International Conference on Mathematics and Mathematics Education (ICMME 2019), Konya, Turkey, 11 - 13 July 2019, pp.181-182
- VIII. **Inventory Model of Type (s,S) with α Distributed Component**
Bektaş KAMIŞLIK A., Alakoç B., KESEMEN T., Khaniyev T.
2nd INTERNATIONAL CONFERENCE ON MATHEMATICAL AND RELATED SCIENCES ICMRS 2019, Antalya, Turkey, 27 - 30 April 2019, pp.45
- IX. **Generalized Beta Distributed Parameters for a SVEIR-Type Random Model of Polio Transmission**
Bekiryazıcı Z., KESEMEN T., Merdan M.
7 th International Eurasian Conference on Mathematical Sciences and Applications, Kiyev, Ukraine, 28 - 31 August 2018, pp.149
- X. **On The Estimator of Semi-Markovian Inventory Model with Subexponential Component**
ERİŞ BÜYÜKKAYA M., BEKTAŞ KAMIŞLIK A., KESEMEN T., HANALIOĞLU T.
INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS (ICRAPAM2018), 23 - 27 July 2018, pp.56-57
- XI. **Analysis of a Pneumonia Transmission Model with Random Components**
Bekiryazıcı Z., KESEMEN T., Merdan M.
INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS (ICRAPAM2018), Trabzon, Turkey, 23 - 27 July 2018, pp.39-40
- XII. **A New Estimator for Ergodic Distribution of a Semi-Markovian Renewal Reward Process when Demand Distributions Belongs to the L^{α} Subclass of Heavy Tailed Distributions**
BEKTAŞ KAMIŞLIK A., ERİŞ BÜYÜKKAYA M., KESEMEN T.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.751-752
- XIII. **A Comparison of Variation Coefficients of Biochemical Reaction Model for Several Probability Distributions**
KESEMEN T., Bekiryazıcı Z., Khaniyev T., Karaaslan G.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.743-744
- XIV. **Investigation of A Model For Polio By Using Random Differential Equations and Parameters with Gaussian Distribution**
Bekiryazıcı Z., KESEMEN T., Merdan M.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.783-784

- XV. **Applications of Differential Transform Method to Some Random Component Time-Fractional Partial Differential Equations**
Merdan M., Anaç H., KESEMEN T.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.251-252
- XVI. **Fractional Variational Iteration Method for the Random Component Time-Fractional Fornberg-Whitham Equation**
Merdan M., Anaç H., KESEMEN T.
International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.277-278
- XVII. **The Class of L boolean AND D and Its Application to Renewal Reward Process**
Kamışlık A. B. , KESEMEN T., Khaniyev T.
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Budapest, Hungary, 15 - 17 August 2017, vol.1926
- XVIII. **Generalized Beta Parameters for a SVEIR-Type Random Model of Polio Transmission**
Bekiryazıcı Z., MERDAN M., KESEMEN T.
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA), Kyiv, Ukraine, 28 - 31 August 2018, vol.2037
- XIX. **The Class of L ? D and Its Application to Renewal Reward Process**
Kamışlık Bektaş A., KESEMEN T., KHANİYEV T.
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapest, Hungary, 15 - 18 August 2017, pp.99
- XX. **"Investigation of the moments for a random model of cholera disease**
Merdan M., KESEMEN T., Bekiryazıcı Z.
International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 3 - 07 July 2017, pp.253
- XXI. **Approximate Results for a Semi Markovian Inventory Model with Regularly Varying Component**
Bektaş Kamışlık A., KESEMEN T., KHANİYEV T., ŞENOL E.
Int. Conference on App. Analysis and Math. Modeling, ICAAMM17, İstanbul, Turkey, 3 - 07 July 2017, pp.1-2
- XXII. **Application of Differential Transformation Method for Solving Some Random Partial Differential Equations**
Merdan M., KESEMEN T., Anaç H., Bekiryazıcı Z.
International Conference on Mathematics and Mathematics Education, Şanlıurfa, Turkey, 11 - 13 May 2017, pp.430-431
- XXIII. **Analyzing the Moments of the Classical Epidemic Model under Random Effects**
Merdan M., Bekiryazıcı Z., KESEMEN T.
International Conference on Mathematics and Engineering,, İstanbul, Turkey, 10 - 12 May 2017, pp.343
- XXIV. **Moments of Epidemic Models with Random Initial Data**
Bekiryazıcı Z., Merdan M., KESEMEN T.
International Conference on Mathematics and Engineering,, İstanbul, Turkey, 10 - 12 May 2017, pp.360
- XXV. **"Analysing the Early-Stage Dynamics of a Model for Ebola Virus Under Random Effects**
Merdan M., Bekiryazıcı Z., KESEMEN T.
International Workshop on Mathematical Methods in Engineering,, Ankara, Turkey, 27 - 29 April 2017, pp.51
- XXVI. **Stochastic Modeling of Immune-Mediated Disorder in Inflammatory Bowel Disease**
Bekiryazıcı Z., Merdan M., KESEMEN T., Khaniyev T.
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.3529-3530
- XXVII. **Some Statistical Characteristics of the Biochemical Reaction Model under Triangular Random Effects**
Bekiryazıcı Z., KESEMEN T., Merdan M., Bektaş Kamışlık A.

- Xth International Statistics Days Conference, Giresun, Turkey, 7 - 09 October 2016, pp.354-360
- XXVIII. **Limit Distribution for a Semi-Markovian Inventory Model of Type (s,S) Under Heavy Tailed Demand with Infinite Variance**
Bektaş Kamışlık A., Khaniyev T., KESEMEN T.
5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2016), Belgrade, Serbia And Montenegro, 16 - 19 August 2016, pp.185-186
- XXIX. **Stochastic and Random Behavior Model for Immune System Response and Bacterial Resistance with Antibiotic Therapy**
Bekiryazıcı Z., Merdan M., Khaniyev T., KESEMEN T.
th International Eurasian Conference on Mathematical Sciences and Applications, Belgrade, Serbia And Montenegro, 16 - 19 August 2016, pp.128-129
- XXX. **On the Asymptotic Expansion for the Moments of an Inventory Model of Type (s,S) with Subexponential Demand and Uniform Distributed Interference of Chance**
KESEMEN T., Bektaş Kamışlık A., KÜÇÜK Z.
5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2016), Belgrade, Serbia And Montenegro, 16 - 19 August 2016, pp.194-195
- XXXI. **n the Moments of Semi Markovian Inventory Model When the Demand Distribution Belongs to the General Class of Regularly Varying Distributions with Infinite Variance**
BEKTAŞ KAMIŞLIK A., KESEMEN T., Şenol E.
International Conference on Recent Advances in Pure and Applied Mathematics 2016 (ICRAPAM 2016, Muğla, Turkey, 19 - 23 May 2016, pp.121-122
- XXXII. **On the Moments of Semi-Markovian Inventory Model When the Demand Distribution Belongs to the General Class of Regularly Varying Distributions with Infinite Variance**
Bektaş Kamışlık A., KESEMEN T., ŞENOL E.
International Conference on Recent Advances in Pure and Applied Mathematics 2016 (ICRAPAM 2016), Muğla, Turkey, 19 - 23 May 2016, pp.121-122
- XXXIII. **Modelling of Dengue Disease under Laplacian Random Effects**
Bekiryazıcı Z., KESEMEN T., Merdan M., Najmudeen M.
International Conference on Mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016, pp.142-143
- XXXIV. **Random Modelling of Biochemical Reactions under Gaussian Random Effects**
Bekiryazıcı Z., Merdan M., KESEMEN T., Khaniyev T.
International Conference on Mathematics and Mathematics Education, Elazığ, Turkey, 12 - 14 May 2016, pp.192-193
- XXXV. **Deterministic and stochastic stability of models for hepatitis C**
Merdan M., Bekiryazıcı Z., KESEMEN T.
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